

1 We claim:

2 1. A noise-making device comprising:

3 a piezoelectric transducer;

4 a sound-amplifying housing adjacent the transducer, the sound-amplifying housing
5 enclosing a space communicating with the transducer for receiving sound waves from the
6 transducer, the sound amplifying housing further having a front face; and

7 a water resistant, sound permeable barrier adjacent to said front face.

8 2. The noise-making device of claim 1, wherein the water resistant, sound permeable
9 barrier is constructed of polytetrafluoroethylene.

10 3. The noise making device of claim 1, wherein the water resistant, sound permeable
11 barrier is attached to the front face by a sonic weld.

12 4. The noise making device of claim 1, wherein the water resistant, sound permeable
13 barrier is attached to the front face by a hot melt.

14 5. The noise making device of claim 1, wherein the water resistant, sound permeable
15 barrier is attached to the front face by a silicone adhesive.

16 6. A noise-making assembly comprising:

17 a piezoelectric transducer;

18 a sound-amplifying housing adjacent the transducer, the sound-amplifying housing
19 enclosing a space communicating with the transducer for receiving sound waves from the
20 transducer, the sound amplifying housing further having a front face;

21 a water resistant, sound permeable barrier adjacent to said front face; and

1 a water resistant, hydrophobic fastener, said fastener mating with said sound-amplifying
2 housing.

3 7. The noise making assembly of claim 6, wherein the water resistant sound permeable
4 barrier is integrally attached to said water resistant, hydrophobic fastener.

5 8. The noise making assembly of claim 6, wherein the water resistant, sound
6 permeable barrier is constructed of polytetrafluoroethylene

7 9. The noise making assembly of claim 6, wherein the water resistant, hydrophobic
8 fastener threadingly engages said sound amplifying housing.

9 10. The noise making assembly of claim 6, wherein the front face of said sound
10 amplifying housing includes at least one aperture.

11 11. The noise making assembly of claim 6, wherein the front face of said sound
12 amplifying housing comprises a grill.

13 12. The noise making assembly of claim 6, wherein the front face of said sound
14 amplifying housing is constructed of polytetrafluoroethylene.

15 13. A noise-making device comprising:

16 a piezoelectric transducer;

17 a housing adjacent the transducer, the sound-amplifying housing enclosing a space
18 communicating with the transducer for receiving sound waves from the transducer, the housing
19 further having a front face; and

20 a polytetrafluoroethylene barrier adjacent to said front face.